

PU02118

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/541,286

INTERNATIONAL APPLICATION NO.  
PCT/EP2003/014946INTERNATIONAL FILING DATE  
29 December 2003PRIORITY DATE CLAIMED  
30 December 2002

## TITLE OF INVENTION

PISTON AND SCRAPER ASSEMBLY

## APPLICANT(S) FOR DO/EO/US

PEDER DAHL

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10.  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11.  A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12.  A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15.  A **FIRST** preliminary amendment.
16.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
17.  A substitute specification.
18.  A power of attorney and/or change of address letter.
19.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20.  A second copy of the published International Application under 35 U.S.C. 154(d).
21.  A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22.  Express Mail Label No.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| U.S. APPLICATION NO (if known, see 37 CFR 1.5) | INTERNATIONAL APPLICATION NO. | ATTORNEY'S DOCKET NUMBER |
|--|-------------------------------|--------------------------|
| 10/541,286                                     | PCT/EP2003/014946             | PU02118                  |

## 23. Other items or information:

copy of this transmittal letter for charging purposes  
 copy of the Notification of Missing Requirements as required  
 Certificate of Mailing by First Class Mail  
 itemized return postcard

| The following fees have been submitted:  |                          |  |            | CALCULATIONS | PTO USE  |
|--|--------------------------|--|------------|--------------|----------|
| 24. <input type="checkbox"/> Basic national fee .....  | \$300                    |  |            | \$           | \$0.00   |
| 25. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article   | \$0                      |  |            | \$           | \$0.00   |
| All other situations .....   | \$200                    |  |            |              |          |
| 26. <input type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) . . . \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority. .... \$100<br>International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. .... \$400<br>All other situations. .... \$500 |                          |  |            | \$           | \$0.00   |
| <b>TOTAL OF 24, 25 and 26 =</b>  |                          |  |            | \$           | \$0.00   |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |                          |  |            |              |          |
| Total Sheets   | Extra Sheets             | Number of each additional 50 or fraction thereof (round up to a whole) | RATE       |              |          |
| - 100 =  | 0 /50 =                  | 0  | x \$250.00 | \$           | \$0.00   |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).  |                          |  |            | \$           | \$130.00 |
| CLAIMS   | NUMBER FILED             | NUMBER EXTRA   | RATE       |              |          |
| Total claims   | - 20 =                   | 0  | x \$50.00  | \$           | \$0.00   |
| Independent claims   | - 3 =                    | 0  | x \$200.00 | \$           | \$0.00   |
| MULTIPLE DEPENDENT CLAIMS (if applicable)  | <input type="checkbox"/> | + \$360.00   |            | \$           | \$0.00   |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |                          |  |            | \$           | \$130.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |                          |  |            | \$           | \$0.00   |
| <b>SUBTOTAL =</b>  |                          |  |            | \$           | \$130.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  |                          |  |            | \$           | \$0.00   |
| <b>TOTAL NATIONAL FEE =</b>  |                          |  |            | \$           | \$130.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +  |                          |  |            | \$           | \$0.00   |
| <b>TOTAL FEES ENCLOSED =</b>   |                          |  |            | \$           | \$130.00 |
| 03/10/2006 GFREY1 00000050 502590 10541286   | Amount to be             | \$   |            |              |          |
| 01 FC:1617 130.00 DA   | Amount to be             | \$   |            |              |          |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. 502-590 in the amount of \$ \$130.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 502-590. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No.: 22840

GE HEALTHCARE BIO-SCIENCES CORP.  
PATENT DEPARTMENT  
800 CENTENNIAL AVENUE  
PISCATAWAY, NJ 08855

SIGNATURE

  
Yonggang Ji

NAME

53,073

REGISTRATION NUMBER

February 28, 2006

DATE

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): Peder Dahl.

Docket No.

PU02118

|                               |                               |                            |                       |                                  |
|-------------------------------|-------------------------------|----------------------------|-----------------------|----------------------------------|
| Application No.<br>10/541,286 | Filing Date<br>to be assigned | Examiner<br>to be assigned | Customer No.<br>22840 | Group Art Unit<br>to be assigned |
|-------------------------------|-------------------------------|----------------------------|-----------------------|----------------------------------|

Invention:

**Piston and Scraper Assembly**

I hereby certify that this trans ltr w/copy, signed declaration, copy of notice, surcharge & return postcard  
*(Identify type of correspondence)*

is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on  
February 28, 2006

*(Date)***Melissa Leck***(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)***Note: Each paper must have its own certificate of mailing.**



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

|   |                       |                                     |
|---|-----------------------|-------------------------------------|
| U.S. APPLICATION NUMBER NO.   | FIRST NAMED APPLICANT | ATTY. DOCKET NO.                    |
| 10/541,286  | Peder Dahl            | PU02118                             |
|   |                       | INTERNATIONAL APPLICATION NO.       |
|   |                       | PCT/EP03/14946                      |
| 22840<br>AMERSHAM BIOSCIENCES<br>PATENT DEPARTMENT<br>800 CENTENNIAL AVENUE<br>PISCATAWAY, NJ 08855 |                       | I.A. FILING DATE      PRIORITY DATE |
|   |                       | 12/29/2003      12/30/2002          |

**CONFIRMATION NO. 6629**

**371 FORMALITIES LETTER**



\*OC000000018081918\*

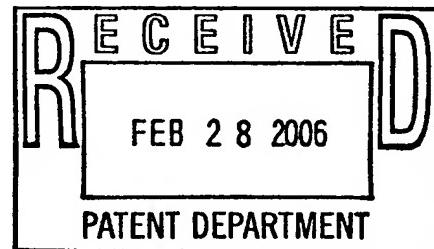
Date Mailed: 02/23/2006

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/30/2005
- Copy of the International Search Report filed on 06/30/2005
- Copy of IPE Report filed on 06/30/2005
- Copy of Annexes to the IPER filed on 06/30/2005
- Preliminary Amendments filed on 06/30/2005
- Information Disclosure Statements filed on 06/30/2005
- Oath or Declaration filed on 06/30/2005
- Request for Immediate Examination filed on 06/30/2005
- Copy of references cited in ISR filed on 06/30/2005
- U.S. Basic National Fees filed on 06/30/2005
- Priority Documents filed on 06/30/2005

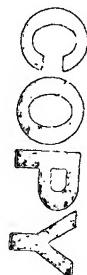
|              |               |
|--------------|---------------|
| DUE DATE:    | 23 April 2006 |
| FORMALITIES: | MC EF         |
| PAT. OFF:    | RF            |
| ON DB:       | 28 Feb 2006   |
| CASE NO:     | PU02118       |



The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.



SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON

Telephone: (703) 308-9140 EXT 227

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/541,286                  | PCT/EP03/14946                | PU02118          |

FORM PCT/DO/EO/905 (371 Formalities Notice)

COPY